

Quan-Jie Jia

List of Publications by Year in descending order

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docs citations

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times ranked

1225
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetocrystalline Anisotropy in Permalloy Revisited. Physical Review Letters, 2006, 97, 067203.	2.9	91
2	Preparation and application in p-n homojunction diode of p-type transparent conducting Ga-doped SnO ₂ thin films. Thin Solid Films, 2010, 518, 5542-5545.	0.8	62
3	Influence of dislocations on photoluminescence of InGaN/GaN multiple quantum wells. Applied Physics Letters, 2005, 87, 071908.	1.5	53
4	Phase contrast synchrotron X-ray microtomography of Ediacaran (Doushantuo) metazoan microfossils: Phylogenetic diversity and evolutionary implications. Precambrian Research, 2009, 173, 191-200.	1.2	52
5	Lattice strains and composition of self-organized Ge dots grown on Si(001). Applied Physics Letters, 2000, 76, 3397-3399.	1.5	49
6	Experimental evidence of the "dead layer" at Pt/BaTiO ₃ interface. Applied Physics Letters, 2005, 87, 222905.	1.5	43
7	Relation between microstructures and magnetic properties upon annealing in Fe ₅₀ Mn ₅₀ /Ni ₈₀ Fe ₂₀ films. Journal of Applied Physics, 2002, 92, 2052-2057.	1.1	26
8	Room-temperature ferromagnetism in zinc-blende and deformed CrAs thin films. Applied Physics Letters, 2006, 88, 142509.	1.5	26
9	Dislocation density and strain distribution in SrTiO ₃ film grown on (110) DyScO ₃ substrate. Journal Physics D: Applied Physics, 2009, 42, 105307.	1.3	23
10	Temperature dependence of the formation of nano-scale indium clusters in InAlGaN alloys on Si(111) substrates. Nanotechnology, 2006, 17, 1251-1254.	1.3	21
11	Characteristics of the low electron density surface layer on BaTiO ₃ thin films. Applied Physics Letters, 2008, 92, .	1.5	21
12	Focusing synchrotron radiation using a polycapillary half-focusing X-ray lens for imaging. Journal of Synchrotron Radiation, 2009, 16, 116-118.	1.0	18
13	Effect of Nd/Mn substitution on the structure and magnetic properties of nano-BiFeO ₃ . Journal of Alloys and Compounds, 2019, 786, 385-393.	2.8	17
14	Three-dimensional strain state and spacer thickness-dependent properties of epitaxial Pr _{0.7} Sr _{0.3} MnO ₃ /La _{0.5} Ca _{0.5} MnO ₃ /Pr _{0.7} Sr _{0.3} MnO ₃ trilayer structure. Journal of Applied Physics, 2014, 115, 233911.	1.1	16
15	Enhanced performance of inverted organic photovoltaic cells using CNTs/TiO ₂ nanocomposites as electron injection layer. Nanotechnology, 2013, 24, 355401.	1.3	14
16	Nuclear resonant inelastic X-ray scattering at high pressure and low temperature. Journal of Synchrotron Radiation, 2015, 22, 760-765.	1.0	14
17	Measurement of the thickness-dependent magnetic anisotropy of CoGaAs on Si(001) substrate. Physical Review B, 2008, 77, .	1.1	13
18	Out-of-plane easy-axis in thin films of diluted magnetic semiconductor Ba _{1-x} K _x (Zn _{1-y} Mn _y) ₂ As ₂ . AIP Advances, 2017, 7, .	0.6	13

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19	Study of strain in partially relaxed Ge epilayers on Si(100) substrate. Applied Physics Letters, 1999, 75, 370-372.	1.5	12
20	Microstructures and resistivity of cuprate/manganite bilayer deposited on SrTiO ₃ substrate. Journal of Applied Physics, 2003, 93, 8215-8217.	1.1	12
21	Strain and magnetic anisotropy of as-grown and annealed Fe films on c(4 \times 4) reconstructed GaAs (001) surface. Journal of Applied Physics, 2009, 106, .	1.1	12
22	Temperature dependence of interfacial fluctuations of polymerized fatty acid salt multilayers. Journal of Chemical Physics, 2005, 122, 124712.	1.2	10
23	Characterization of surface and interface structure of YBa ₂ Cu ₃ O _{7δ} -based trilayer with La _{0.67} Ca _{0.33} MnO ₃ spacer. Journal of Applied Physics, 2006, 99, 08M509.	1.1	10
24	Research Update: Strain and composition effects on ferromagnetism of Mn _{0.05} Ge _{0.95} quantum dots. APL Materials, 2016, 4, .	2.2	10
25	Interfacial structure of molecular beam epitaxial grown cubic-GaN films on GaAs(001) probed by x-ray grazing-angle specular reflection. Applied Physics Letters, 1999, 74, 2981-2983.	1.5	9
26	Anomalous strains in the cubic-phase GaN films grown on GaAs (001) by metalorganic chemical vapor deposition. Journal of Applied Physics, 2000, 88, 3762-3764.	1.1	9
27	Revisiting local structural changes in GeO ₂ glass at high pressure. Journal of Physics Condensed Matter, 2017, 29, 465401.	0.7	8
28	Dislocation-related photoluminescence of GeSn films grown on Ge (001) substrates by molecular beam epitaxy. Semiconductor Science and Technology, 2018, 33, 125022.	1.0	8
29	Study on pyrite FeS ₂ films deposited on Si(100) substrate by synchrotron radiation surface X-ray diffraction method. Journal of Crystal Growth, 2004, 268, 222-226.	0.7	7
30	1,8-Diiodooctane as the Processing Additive to Improve the Efficiency of P3HT:PCBM Solar Cells. Journal of Nanoscience and Nanotechnology, 2014, 14, 3592-3596.	0.9	7
31	Local structural changes during the disordered substitutional alloy transition in Bi ₂ Te ₃ by high-pressure XAFS. Journal of Applied Physics, 2018, 124, 065901.	1.1	7
32	Local insight into the La-induced structural phase transition in multiferroic BiFeO ₃ ceramics by x-ray absorption fine structure spectroscopy. Journal of Physics Condensed Matter, 2019, 31, 085402.	0.7	7
33	The point defect structure and its transformation in As-implanted ZnO crystals. Journal Physics D: Applied Physics, 2012, 45, 085103.	1.3	6
34	Fabrication and ferromagnetism of Si/SiGe/MnGe core-shell nanopillars. Nanotechnology, 2016, 27, 405705.	1.3	6
35	Continuous X-ray multiple-beam diffraction with primary Bragg angle from 0 to 90 \AA . Journal of Applied Crystallography, 2014, 47, 1716-1721.	1.9	6
36	Crack control in GaN grown on silicon (111) using In doped low-temperature AlGaN interlayer by metalorganic chemical vapor deposition. Optical Materials, 2006, 28, 1227-1231.	1.7	5

#	ARTICLE	IF	CITATIONS
37	Effect of an indium-doped barrier on enhanced near-ultraviolet emission from InGaN/AlGaIn multiple quantum wells grown on Si(111). <i>Nanotechnology</i> , 2007, 18, 015402.	1.3	5
38	Optimization of the in-line X-ray phase-contrast imaging setup considering edge-contrast enhancement and spatial resolution. <i>Chinese Physics C</i> , 2012, 36, 267-274.	1.5	5
39	MAGNETIC AND TRANSPORT PROPERTIES OF $\text{Pr}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{La}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ HETEROSTRUCTURES. <i>International Journal of Modern Physics B</i> , 2012, 26, 1250132.		
40	Effects of oxidation by O ₂ plasma on formation of Ni-Au ohmic contact to p-GaN. <i>Journal of Applied Physics</i> , 2004, 96, 2091-2094.	1.1	4
41	Pressure-induced phase transitions and structural evolution across the insulator-metal transition in bulk and nanoscale BiFeO_3 . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 265404.	0.7	4
42	X-ray reflectivity measurement of δ -doped erbium profile in silicon molecular-beam epitaxial layer. <i>Physical Review B</i> , 1999, 59, 10697-10700.	1.1	3
43	Microstructures of epitaxial thin films of $\text{YBa}_2\text{Cu}_3\text{O}_7$ deposited on silicon wafers. <i>Superconductor Science and Technology</i> , 2003, 16, 590-594.	1.8	3
44	MICROSTRUCTURES AND STRAIN RELAXATION IN MODULATION-DOPED $\text{Al}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ HETEROSTRUCTURES. <i>International Journal of Modern Physics B</i> , 2004, 18, 989-998.	1.0	3
45	Effect of strain on the transport and magnetoresistance properties of $\text{La}_{0.8}\text{Ca}_{0.2}\text{MnO}_3$ epitaxial thin films. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 2723-2727.	1.3	3
46	Photoinduced coherent acoustic phonon dynamics inside Mott insulator Sr_2IrO_4 films observed by femtosecond X-ray pulses. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	3
47	$\text{Ge}_x\text{Si}_{1-x}$ virtual-layer enhanced ferromagnetism in self-assembled $\text{Mn}_{0.06}\text{Ge}_{0.94}$ quantum dots grown on Si wafers by molecular beam epitaxy. <i>Nanoscale</i> , 2020, 12, 3997-4004.	2.8	3
48	Surface roughness exponent and non-designed cap layer in $\text{PbZr}_{0.53}\text{Ti}_{0.47}\text{O}_3/\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ bilayers. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 2363-2368.	1.3	2
49	POSSIBLE ABNORMAL MECHANISM FOR LATTICE STRAIN RELAXATION IN $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ THIN FILM. <i>International Journal of Modern Physics B</i> , 2005, 19, 2415-2420.	1.0	2
50	Direct preparation and microstructure investigation of p-type transparent conducting Ga-doped SnO_2 thin films. <i>Powder Diffraction</i> , 2010, 25, S36-S39.	0.4	2
51	Exchange bias induced by the fully strained $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ dead layers. <i>Journal of Applied Physics</i> , 2014, 115, 17D701.	1.1	2
52	Magnetostriction and microstructure of melt-spun $\text{Fe}_{77}\text{Ga}_{23}$ ribbons prepared with different wheel velocities. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 122-128.	1.7	2
53	Effect of surface inhomogeneities on crystalline structure and magnetic properties of epitaxial $\text{Pr}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ film on (001) SrTiO_3 . <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 609-614.	1.1	2
54	Enhanced magnetoresistance at wide temperature range in $[\text{Pr}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3]_{20}$ superlattice on (001) MgO . <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6233-6238.	1.1	2

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55	Carrier effects on ferromagnetism of Mn_xGe_{1-x} quantum dots. Applied Physics Letters, 2017, 111, 072103.	1.5	2
56	Studies on strain relaxation of $La_{0.5}Ba_{0.5}MnO_3$ film by normal and grazing incidence X-ray diffraction. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	2
57	Finite-element simulation for X-ray volume diffractive optics based on the wave optical theory. Optics Express, 2020, 28, 34973.	1.7	2
58	Growth and morphological characterization of zinc nanoplates. Science China Technological Sciences, 2012, 55, 2646-2650.	2.0	1
59	Conceptual design of a simple small angle X-ray scattering (SAXS) beamline. Instrumentation Science and Technology, 2021, 49, 560-570.	0.9	1
60	Effect of indium-doped interlayer on the strain relief in GaN films grown on Si(111). Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 294-299.	0.8	0
61	Strain Effect in Cation Disorder Manganite Films. Journal of Superconductivity and Novel Magnetism, 2010, 23, 867-870.	0.8	0
62	Depth Profile of Delta-doped Semiconductors by X-Ray Reflection Technique. Japanese Journal of Applied Physics, 1999, 38, 261.	0.8	0